

***Health and Safety Plan
for the Operable Unit 7-13/14
In Situ Grouting
Treatability Study***

September 2001

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*Idaho National Engineering and Environmental Laboratory
Bechtel BWXT Idaho, LLC*

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Health and Safety Plan for the Operable Unit 7-13/14 In Situ Grouting Treatability Study

**Bruce P. Miller
Vortex Enterprises**

September 2001

**Idaho National Engineering and Environmental Laboratory
Bechtel BWXT Idaho, LLC
Environmental Restoration Program
Idaho Falls, Idaho 83415**

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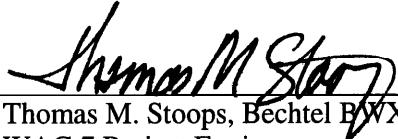
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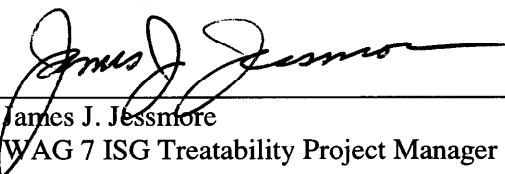
Approved by:



Thomas M. Stoops, Bechtel BWXT Idaho, LLC
WAG 7 Project Engineer



Date



James J. Jessmore
WAG 7 ISG Treatability Project Manager



Date

ABSTRACT

This health and safety plan (HASP) establishes the requirements and controls that will be used to eliminate or minimize health and safety risks to persons working at the Cold Test Pit South and North areas located outside the fence of the Radioactive Waste Management Complex (RWMC) during the in situ grouting (ISG) treatability study. The field ISG treatability study will help determine possible treatment options for hazardous and radioactive waste forms buried in the Subsurface Disposal Area of the RWMC.

This HASP has been prepared to meet the requirements of the Occupational Safety and Health Administration standard, 29 *Code of Federal Regulations* 1910.120/1926.65, “Hazardous Waste Operations and Emergency Response.” It contains information about the hazards involved in performing ISG tasks, as well as the specific actions and equipment that will be used to protect persons while working at the task site.

This HASP contains the safety and health hazards assessment for conducting all pregrouting support activities, grouting, excavation and sampling tasks, and other post-grouting activities. The intent of this document is to identify known hazards and serve as a plan for mitigating them. The safety and health professional supporting these activities must determine the most appropriate hazard control and mitigation measures based on site-specific conditions and should make changes to this document, as appropriate.

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ACRONYMS

ACGIH	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
ARDC	Administrative Record and Document Control
BBWI	Bechtel BWXT Idaho, LLC
CERCLA	Comprehensive Environmental, Response, Compensation and Liability Act
CFA	Central Facilities Area
CFR	Code of Federal Regulations
CNS	central nervous system
COCA	Consent Order and Compliance Agreement
CP	command post
CPR	cardiopulmonary resuscitation
CWA	controlled work area
DAR	document action request
dBA	decibel A-weighted
DOE	U.S. Department of Energy
DOE-ID	U.S. Department of Energy Idaho Operations Office
EAM	emergency action manager
EC	emergency coordinator
EPA	U.S. Environmental Protection Agency
ER	environmental restoration
ERO	Emergency Response Organization
ERP	Environmental Restoration Program
FR	federal register
FTL	field team leader
HASP	health and safety plan

HAZAT	hazardous material
HAZWOPER	Hazardous Waste Operations and Emergency Response
HEPA	high-efficiency particulate air (filter)
HSO	health and safety officer
IAG	interagency agreement
ICS	Incident Command System
IH	industrial hygienist
INEEL	Idaho National Engineering and Environmental Laboratory
ISG	in situ grouting
ISMS	integrated safety management system
JSA	job-safety analysis
MCP	management control procedure
MSDS	material safety data sheet
NIOSH	National Institute of Occupational Safety and Health
NOC	not otherwise classified
NPL	National Priorities List
NRR	noise reduction rating
OMP	Occupational Medical Program
OSHA	Occupational Safety and Health Administration
OU	operable unit
PDD	program description document
PEL	permissible exposure limit
PI	principal investigator
PID	photoionization detector
PLN	plan
PM	project manager

POC	point of contact
POD	plan of the day
PPE	personal protective equipment
PRD	program requirements directive
PVA	polyvinyl alcohol
PVC	polyvinyl chloride
QAPjP	quality assurance project plan
RCRA	Resource Conservation and Recovery Act
RI/FS	remedial investigation/feasibility study
RRWAC	reusable property, recyclable material, and waste acceptance criteria
RWMC	Radioactive Waste Management Complex
SAD	site area director
SDA	Subsurface Disposal Area
SH&QA	safety, health and quality assurance
SWP	safe work permit
SZ	support zone
TLV	threshold-limit value
TRU	transuranic
TWA	time-weighted average
VOC	volatile organic compound
VPP	Voluntary Protection Program
WAG	waste area group
WBGT	wet bulb globe temperature
WCC	Warning Communications Center

